

Article No. : 1FL2306-1AC01-1MB0

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :



| Basic motor data        |                                                     |
|-------------------------|-----------------------------------------------------|
| Motor type              | Permanent-magnet synchronous motor, Natural cooling |
| Motor type              | High Inertia                                        |
| Static torque           | 3.70 Nm                                             |
| Static current          | 2.50 A                                              |
| Maximum torque          | 12.00 Nm                                            |
| Maximum current         | 8.40 A                                              |
| Maximum speed           | 3,000 rpm                                           |
| Rotor moment of inertia | 7.9600 kgcm <sup>2</sup>                            |
| Weight                  | 5.90 kg                                             |

| Rated data                        |           |
|-----------------------------------|-----------|
| SINAMICS S200, 3 AC 380 ... 480 V |           |
| Rated speed                       | 2,000 rpm |
| Rated torque                      | 3.58 Nm   |
| Rated current                     | 2.50 A    |
| Rated power                       | 0.75 kW   |

| Encoder system |                                                       |
|----------------|-------------------------------------------------------|
| Encoder system | Absolute encoder 21-bit singleturn + 12-bit multiturn |

| Motor connection |                         |
|------------------|-------------------------|
| Connection type  | Metal angular connector |

| Mechanical data               |                                              |
|-------------------------------|----------------------------------------------|
| Design acc. to Code I         | IM B5 (IM V1, IM V3)                         |
| Vibration severity grade      | Grade A                                      |
| Shaft height                  | 65                                           |
| Flange size (AB)              | 130 mm                                       |
| Centering ring (N)            | 110 mm                                       |
| Hole circle (M)               | 145 mm                                       |
| Screw-on hole (S)             | 9.0 mm                                       |
| Overall length (LB)           | 148.2 mm                                     |
| Diameter of shaft (D)         | 22 mm                                        |
| Length of shaft (E)           | 58 mm                                        |
| Length of flange diagonal (P) | 165.2 mm                                     |
| Shaft end                     | Shaft with parallel key (half-key balancing) |
| Color of the housing          | Anthracite RAL 7016                          |

